

Comparisons of Job Characteristics

Focus Occupation: [Electric Motor, Power Tool, and Related Repairers \(49-2092\)](#)

Associated Occupation: [Farm Equipment Mechanics and Service Technicians \(49-3041\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 91

Focus Occupation: Electric Motor, Power Tool, and Related Repairers (49-2092)

Associated Occupation: Farm Equipment Mechanics and Service Technicians (49-3041)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Mechanical	6.8	19.7	17.7	< Expanded education and/or training may be required
Physics	4.3	9.1	4.0	<< Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 96

Focus Occupation: Electric Motor, Power Tool, and Related Repairers (49-2092)

Associated Occupation: Farm Equipment Mechanics and Service Technicians (49-3041)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Repairing	3.4	14.3	14.0	0 Current skill level may be sufficient
Equipment Maintenance	3.5	13.6	11.5	< A higher skill level may be required
Troubleshooting	4.5	12.9	12.6	0 Current skill level may be sufficient
Quality Control Analysis	5.9	11.6	11.9	0 Current skill level may be sufficient
Operation Monitoring	6.6	11.0	9.8	< A higher skill level may be required
Operation and Control	5.4	10.7	8.7	< A higher skill level may be required
Equipment Selection	3.3	10.0	10.4	0 Current skill level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities

Similarity of Focus Occupation to Associated Occupation: 83

Focus Occupation: Electric Motor, Power Tool, and Related Repairers (49-2092)
Associated Occupation: Farm Equipment Mechanics and Service Technicians (49-3041)

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Control Precision	6.6	13.6	10.4	<<	Extensive improvement in abilities may be required
Multilimb Coordination	6.0	13.3	8.2	<<	Extensive improvement in abilities may be required
Arm-Hand Steadiness	6.8	12.8	10.8	<	Some improvement in abilities may be required
Manual Dexterity	6.5	12.8	12.5	0	Current ability level may be sufficient
Finger Dexterity	7.6	12.6	13.9	>	Current ability level is likely sufficient
Reaction Time	4.8	11.6	9.8	<	Some improvement in abilities may be required
Visualization	7.5	11.1	10.5	0	Current ability level may be sufficient
Extent Flexibility	4.8	11.0	7.9	<<	Extensive improvement in abilities may be required
Hearing Sensitivity	5.6	11.0	9.8	<	Some improvement in abilities may be required
Response Orientation	4.0	9.5	6.8	<<	Extensive improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 75

Focus Occupation: Electric Motor, Power Tool, and Related Repairers (49-2092)
Associated Occupation: Farm Equipment Mechanics and Service Technicians (49-3041)

Work Activities	Exclusivity of Activity
Determine installation, service, or repair needed	58
Fabricate, assemble, or disassemble manufactured products by hand	11
Inspect machinery or equipment to determine adjustments or repairs needed	42
Lubricate machinery, equipment, or parts	59
Move or fit heavy objects	8
Perform safety inspections in industrial, manufacturing or repair setting	32
Read blueprints	10
Read schematics	34
Read work order, instructions, formulas, or processing charts	9
Repair or replace electrical wiring, circuits, fixtures, or equipment	49
Test electrical/electronic wiring, equipment, systems or fixtures	54
Test mechanical products or equipment	56
Understand service or repair manuals	40
Understand technical operating, service or repair manuals	6
Use electrical or electronic test devices or equipment	40
Use hand or power tools	2

Use precision measuring devices in mechanical repair work	61
Use soldering equipment	44
Use voltmeter, ammeter, or ohmmeter	52

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: n/a

Focus Occupation: Electric Motor, Power Tool, and Related Repairers (49-2092)
Associated Occupation: Farm Equipment Mechanics and Service Technicians (49-3041)

Tools and Technologies

Exclusivity

Tools and technology data is unavailable for one or both occupations.

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.